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 2. The Day in Human and Animal Pathology, by H. Benda,
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3. 17, December by J. Vander Horden, 1945, pp 317, 327.

CIA/PDD/X-560

Scientific - Medicine

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Full translation.

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Scientific - Medicine Aug 53 CTG/DEX

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Full translation.

DUTCH, per, Zoonoses by J. van der Hoozen, 1946,
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L. Tassi, 15 pp.

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pp 127-135.

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ITALIAN, per, Zooprofilassi Rivista Mensile di Scienze e
Tecnica Veterinaria, Vol II, No 12, 1947, pp 341-346.

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POLISH, per, Zostepy Biochemii, Vol X, 1964,
pp 143-151.

*JPRS

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Determination of the Number of Measurements for the
Achievement of a Required Accuracy, by J. Tosovsky, 5 5 pp.
CZECH, per, Zpravodaj Vyzkumny a Zkusebni Letecky
Ustav, Vol I, 1961, pp 3-4. 9691146

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Sci - Phys
Febr 64

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Criteria of Longitudinal Stability of Aircraft,
by Vlastimil Pokorny, 18 pp.

CZECH, per, Zpravodaj Vzlu, No 2, 1961, pp 27-33.
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N Sci - Aero
Sep 62

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Two-Dimensional Recirculation Flow of Viscous
Fluid, by Pavel Jonas. 66 pp.
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Sci-Phys
Sep 70

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Fabrication of Turbine Blades. Part 1:
Fundamentals of Design, Materials and
Machining, 170 pp.

CZACH, rpt, Zpravodaj VZLU: Konference o
Vyrobe lopatek. I. Cast: Zskladni
Poradavky na Tvar, Material a Opracovani
Lopatek, No 1(37), 1963, pp 2-64. 9038006
FTD-TT-64-304

Sci - Engr
Sept 65

288,570

Beryllium and Its Alloys in Avia
Industry, by K. Straka, 22 pp.
CZECI, per, Zpravody Vzlu Konferencce
U Vyrobe Lopatek. Vyzkumny a Zkusebni
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290,146

Summarizing of Experimental Data, by G. Kropac.
U. S. Tech. Rep. OSAVODNAI V. I. I. No 1, 1964,
pp 49, 50.
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Sci-Attach/CP

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Tests of Cascades at Transonic Speeds, by V. Strach.
11 pp.
CZECH, per, Zpravodaj Vzlu, Vol 2, No 44, 1964,
pp 21-24.
AIR/FTD/HT-23-810-70

April 71

Simple Design for a Position Servo System with
Viscous Damping by a Tachogenerator, by
J. Hukko.
C. E. M. I., par. 1, Pravda V. L. U. No 2, 1964, pp 31-34.
ALSO: T T P-9598

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Technology of the Honeycomb Core Production, by Bedrich
Slekner and Josef Rykr, pp 39-47

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Probably Prague, Probably May 1964

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The Effect of the Condition of the Surface
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CZECH, par, Zpravodla VZLU, No 6, pp 45-49,
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Sci-MISIM
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Smoothing of Experimental Data
by Means of Orthogonal Sets of Functions
Using Statistical Tests of Significance,
by O. Kropac.
CZECH, per, Zprava VZLU, Z-5 1964, 60 p.
*NASA TT F-9538

Sci
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U.S. Government only

Measuring the Pressure Loss in Flow
Engine Combustion Chambers, by O. Schurek.
PONTIAC, per, Zpravodaj Vyskumny a Zkusebni
letecky Ustav Letnany, Vol IV, No 46,
1964, pp 39-42.
*TFO-TT-66-577

Sci - Prop & Fuels
Sept 66

Forest Economy in the USSR, 21 pp.

~~CZECH, per, Zpravy Vuh - Vedeckeho Utayu Lesniho
Hospodarstvi, 1955, Encl to IR 1607-57, AFOIN-1A1.~~

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Sep 1957

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SOURCES of Reduced Real Costs in the Chemical Industry
(in Poland), by Michal Miesiolowski, W. Brud, 130 pp.

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Przemysle Chemicznym, Warsaw, 1955, pp 2-94.

CIA/FDD/U-3020

ESur - Poland
Econ - Chemical industry

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Apr 56

Method of Making Infrared Photographs With the
Aid of Luminophore, 3 pp.
CZECH, rpt, Zrudy Porizovan Fotografickych Snimku
v Oblasti Infracerveneho Zarení Pomoci
ACSI 1-6422
ID 2304000765

Sci - Phys
Mar 65

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English title unknown, by Georg Arndt, 30 pp.
GERMAN, per. Ztsch Orthop, 1947, pp 121-144.
ACSI-K-2830

Jul 72

Sengbusch, R. V.
THE CULTURE OF NICOTINE-FREE AND NICOTINE-
POOR TOBACCO. [1962] 15p.
Order from K-H \$18.75 K-H 5389-b

Trans. of der Züchter (Germany) 1931, v. 3, no. 2,
p. 33-38.

DESCRIPTORS: *Tobacco, *Nicotine, Agriculture.

(Biological Sciences--Biochemistry, TT, v. 9, no. 2)

62-22741

- I. Sengbusch, R. V.
- II. K-H-5389-b
- III. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

"A Case of Multiple Chimera Formation in the Apple",
by Martin Schmidt, 6 pp.

Full translation.

GERMAN, per, Der Zuechter, Vol XIV, 1942, pp 112-117.

S.L.A.

Scientific - Biological

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Contribution to the Study of Apple Breeding. Phenological and Genetic Studies on the Heredity of Apple Varieties, by Martin Schmidt, 8 pp.

Full translation.

GERMAN, per, Der Zuechter, Vol XVII/XVIII, 1947, pp 161-223.

S.L.A.

Scientific - Biological

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Aug 55

The Inheritance of Early Blooming of Scotch Fines,
by O. von Schroeck, 28 pp.

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pp 247-254.

SIA 59-15464

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Studies of the Sulphur Metabolism of the Ruminant,
by J. Landis.
GERMAN, per, Z Tierphysiol Tierernahr Futtermittelk,
Vol 18, 1963,
pp 357-370.
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Vol 17, No 3, 1969

July 69

385-137

Contributions to Breeding Research in Apples. II.
Morphological-Pomological Studies of F₁-Seedlings
From the Crossing of a Domestic Variety With
Malus Hiedzwetzkiana, by M. Schmidt, 13 pp.

CHENMAN, per, Züchter, Vol XXIII, No 10/11,
1952, pp 327-334.

SLA Tr 2069

50, 810

Sci - Biol
Jul 57

Projects for Obtaining Frost Resistant Varieties
of Tomatoes, by J. Becker-Dillingen, T. Barg,
8 pp.

GERMAN, per, Zuchter, Vol XXIV, pp 252-255.

SIA Tr 57-707

Sci - Biology
Sep 57

52,919

Investigations on Root Growth of Varieties
and Species of Cereals Under Different
Growing Conditions, by W. Heutrich.
GERMAN, per, Der Zuechter, Vol 36, No 1,
1966, pp 25-36.
NLL Ref: 5828.4F (12887)

Sci-Agri
Jan 69

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TT-64-10004

I. Clausen, H.

Clausen, Hjalmar.
THE FEEDING TESTS AND THEIR SUCCESS IN RE-
SPECT TO FEED EFFICIENCY AND TYPE DEVEL-
OPMENT OF THE DANISH SWINE (Die Mastleis-
tungsprüfungen und deren Erfolg für die Futterver-
wertung und die Typmäßige Entwicklung der Dänischen
Schweinemasse). [1963] [13p]
Order from SLA \$1.60

TT-64-10004

Trans. of Zuchtungskunde (West Germany) 1951, v. 22,
p. 204-215.

DESCRIPTORS: *Feeding, *Swine, Nutrition, Tests,
Growth (Physiology)

(Agriculture--Animal Husbandry, TT, v. 11, no. 9)

Office of Technical Services

TT-64-10029

Herzel, Hans-Joachim.
INVESTIGATIONS OF INDIVIDUAL AND FAMILY
DIFFERENCES IN SEMEN QUALITY IN BULLS OF A
WÜRTTEMBERG SPOTTED CATTLE BREEDING AS-
SOCIATION (Untersuchungen der Individuellen und
Familiären Unterschiede der Spermaqualität bei Bullen
eines Württembergischen Fleckviehzuchtverbandes).
[1963] 32p 5refs
Order from SLA \$8.60

TT-64-10029

Trans. of Zuchtungskunde (West Germany) 1952, v. 25,
no. 4, p. 141-150. (Abstract available)

DESCRIPTORS: *Genetics, *Cattle, *Spermatogenesis, II,
Gametes, Environment, Reproduction.

One to 4 ejaculates of 38 Spotted Cattle bulls from three
bull lines of Spotted Cattle Breeding Associations of
Herrenberg in Württemberg were studied twice in an
interval of five months. The semen tests which were
(Agriculture--Animal Husbandry, TT, v. 11, no. 9)
(over)

1. Title: Semen
2. Title: Individual differences
1. Herzel, H.-J.

Office of Technical Services

TT-64-10040

Richter, K., Cranz, K. L., and Lezius, G.
THE ACTION OF APF-SUPPLEMENTS IN SWINE
FATTENING (Über die Wirkung von APF-Beigaben in
der Schweinemast). [1963] [26p] 1ref
Order from SLA \$2.60 TT-64-10040

Trans. of Züchtungskunde (West Germany) 1952,
v. 23, no. 6, p. 263-273.

DESCRIPTORS: *Swine, *Nutrition, Diet, Food,
*Proteins, Vitamin B complex.

(Agriculture--Animal Husbandry, TT, v. 11, no. 5)

- I. Title: APF supplement
- I. Richter, K.
- II. Cranz, K. L.
- III. Lezius, G.

Office of Technical Services

Congenital Hairlessness in Calves, by A.
Schott.

GERMAN, per, Zuchtungskunde, Vol XXVIII,
1956, pp 333-336.

CSIRO 3707

Sci - Biol
Aug 62

207,226

A New Expedient for Judging the Fleshiness
of Live Animals, by H. Gravert.

GERMAN, per, Zuchtungskunde, Vol XXVIII,
1956, pp 423-425.

CSIRO 37046

Sci - Biol
Aug 62

207,479

63-14861

I. Hoffmann, H.-J.

Hoffmann, Hans-Joachim.
DRYING AND COOLING OF SUGAR IN PNEUMATIC
CONVEYING TUBES. 28 Nov 58, 19p. (figs. omitted)
9 refs.
Order from SLA \$1.60

63-14861

Trans. of Zucker (West Germany) 1963, v. 6,
p. 126-133.

DESCRIPTORS: *Dehydration, *Cooling, *Carbohy-
drates, Pneumatic devices, Conveyors, Manufacturing
methods, Food

(Food, TT, v. 10, no. 4)

Office of Technical Services

63-14860

Emmerich, A.
BLOWING AIR THROUGH CRYSTAL SUGAR
LAYERS. 28 Nov 58, 6p. (figs. omitted).
Order from SLA \$1.60 63-14860

Trans. of Zucker. (West Germany) 1954, v. 7,
p. 309-311.

DESCRIPTORS: *Carbohydrates, Storage, *Silos.
*Ventilation, *Blowers, Gas flow, Crystals, Powders.

(Food, TT, v. 10, no. 4)

1. Emmerich, A.

Office of Technical Services

A Paper Chromatographic Method For Serial
Experiments in Plant Breeding, by W. Matthias.

GERMAN, per, Zuchter, Vol XXIV, 1954, pp 313-
316.

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INSDOC-18A7

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ScA
Apr 59

84, 222

Questions of Development of Apple Tree Frame Structure,
by E. Kemmer, I. Thiele, 14 pp.

GERMAN, per, Der Zuechter, Vol XXIV, 1954, pp 346-
352.

SIA 57-46 2569

Jul 58

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Sugar Classification. Recent Advances in
Sugar Sieving Technique, by P. Bruning-
haus, H. Thielepape.

GERMAN, par, Zucker, Vol VIII, 1955,
pp 31-34.

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Sed - Biol
Jun 62

199,375

Investigations on the Food Intake of
the Great Lakes in the Northern Range, by
H. Karna.

GERMAN, per, Zuchter, Vol XXVI, No 10,
1956, pp 307-315.

MSC/Ref: C-4000

Sci-Agr
May 63

234,398

Tetraploids of *Triticum Monococcum* L., by
T. Rajhathy, 19 p.

GERMAN, per, der Zuechter, 1957, Vol XXVII, No 2,
pp 85-89.

SLA 57-20152

Sci
Mar 60
Vol 2, No 11

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Experimental Production of Mutations in Chrysanthemum
Indicum by X-Rays, by H. Jank, 31 pp.

GERMAN, per, Der Zuechter, Vol XXVII, No 5, 1957,
pp 223-231. 9093325

AEC NP Tr-848

Sci - Biol
Apr 62

191,306

61-20506

Juler, Gösta.
ON THE EFFECT OF X-RAYING ON POA PRAT-
ENSIS (Über die Effekte der Röntgenbestrahlung bei
Poa Pratensis). [1961] [12]p. (5 illus. omitted).
Order from SLA \$1.60 61-20506

1. Julen, G.

Trans. of der Züchter (Germany) 1958, v. 28,
p. 37-40

DESCRIPTORS: *Grasses, X-rays, *Radiation effects,
*Mutations, Biology, Genetics, Reproduction, *Seeds.

(Biological Sciences--Botany, TT, v. 7, no. 4)

Office of Technical Services

Bachteev, F. Ch.
NIKOLAJ IVANOVIC VAVILOV (11/26/1887-8/2/1942)
TO HIS 70TH BIRTHDAY (Nikolaj Ivanovic Vavilov
(26.11.1887-2.8.1942) zu seinem 70. Geburtstag).
[1961] [23]p. 3 refs.
Order from SLA \$2.60 61-20428

Trans. of der Zuchter (Germany) 1958, v. 28,
p. 161-166.

DESCRIPTORS: *Scientific personnel, *Agriculture,
*Plants, *Genetics.

(Agriculture--Plant Cultivation, TT, v. 7, no. 7)

61-20428

I. Bachteev, F. C.
II. Vavilov, N. I.

Office of Technical Services

Investigation of the Transmission of an
Anatomical Feature in Crossings of Poplars of
of Different Sections, by K. Meyer-Uhlenried.

GERMAN, per, Der Zuchter, Vol XXVIII, No 5,
1958, pp 209-216.

CSIRO Tr-4227

Sci - Engr

118,533

Jun 60

Müller, H. W. and Schilowa, I.
FERTILIZATION RESULTS AFTER ARTIFICIAL
POLLINATION IN RELATION TO THE AGE OF THE
SILKS AND STORAGE OF POLLEN AT DIFFERENT
TEMPERATURES AND HUMIDITIES (PT. 2) (II.
Befruchtungsergebnisse nach Künstlicher Bestäubung in
Abhängigkeit vom Narbenalter und der Pollen Lagerung
bei Verschiedener Temperatur und Luftfeuchtigkeit).
[17]p. 24 refs.
Order from SLA \$1.60

61-20427

Trans. of der Züchter (Germany) 1939, v. 29, no. 4,
p. 187-191.

DESCRIPTORS: *Pollen, *Plants, *Fertility, *Corn,
Agriculture, Temperature, Storage, Growth,
*Humidity, Age.

Results of the experiments carried out in the years
(Botanical Sciences--Botany, TT, v. 7, no. 4) (over)

61-20427

I. Müller, H. W.
II. Schilowa, I.

Office of Technical Services

Ratio of Transpiration to Assimilation as Physiological
Index, Determined on Poplar Clones, by J. Rusch.

GERMAN, per. Der Zuchter, Vol 29, No 8, 1959. pp

348-354.

CSIRO/No. 7233

Sci -

Jul 67

334,865

Kille, G.

USE OF THE SPOT METHOD ACCORDING TO KRAFT
IN PLANT BREEDING FOR NICOTINE DETERMINA-
TION IN GREEN TOBACCO PLANTS (Anwendung der
Tüpfelmethode nach Kraft in der Pflanzenzüchtung zur
Nikotinbestimmung in Grünen Tabakpflanzen). [1963]
[8p].

Order from SLA \$1.10

63-14392

Trans. of the Züchter (West Germany) [1961] v. 31,
no. 6, p. 265-265.

DESCRIPTORS: Chemical analysis, *Nicotine,
*Tobacco, Plants (Botany), Genetics, *Paper
chromatography.

The plants of 2 segregating generations were examined
for their nicotine content in the green with the spot
method, according to Kraft, and in dried condition with
the picrate method and the 2 nicotine values were com-
(Biological Sciences: Botany, TT, v. 10, no. 5) (over)

63-14392

1. Title: Spot method
1. Kille, G.

Office of Technical Services

Second Report on the Selection of Malus
Stocks and their Vegetative Reproducibility,
by G. Puth.

GERMAN, per, Zuchter, Vol XXXI, No 8, 1961,
pp 340-346.

NRC/C-1078

Sci-Biol
Aug 63

341, 526

Resistance of Some Forage Legumes to Pseudopeziza
Species, by M. Schmiedeknecht.
GERMAN, par, Der Zuechter, Vol 34, No 2, 1964, pp
67-76.
CSIRO/No. 7440

Sci -
Aug 67

334,955

Polyallelic Crossing As a Testing Method for the
Productive Efficiency of Breeding Boars, by P. N.
Kudrjarzew, 16 pp.

GERMAN, per, Zuchtungskunde, Vol IX, 1934, pp 444-452.

34,432

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Scientific - Biology

Black and White Lowland Cows and Jersey Bulls.
Cross Breeding Experiments and Their Evaluation,
by Jonas Schmidt.

GERMAN, per, Zuchtungskunde, 1948, Vol XX,
pp 29-39.

USDA per
NC State College
SLA 60-10815

Witt, Max. THE MILKING MACHINE. UDPSR (Das Melkma- schinen-Euter). [1960] [21]p. Order from SLA ml\$2.70, ph\$4.80 60-18024 Trans. of Züchtungskunde (West Germany) 1951, v. 23, p. 93-101: 143,257 (Agriculture--Animal Husbandry. TT. v. 5, no. 4)	60-18024 1. Milking machines-- Physiological factors 1. Witt, M Office of Technical Services
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A Simple Method for Testing Antifoam Agents,
by G. Fischer. 10p.
GERMAN, per, Zucker, Vol 6, No 5, 1953,
pp 92-94.
SLA TT-66-10215

Sci-Chem
Aug 66

308,464

63-16365

Quentin, G.
INFLUENCE OF INORGANIC CATIONS ON THE
SOLUBILITY OF SUCROSE IN MOLASSES. [1963]
11p. 8 refs.
Order from SLA \$1.60 63-16365

1. Title: Molasses
1. Quentin, G.

Trans. of Zucker (West Germany) 1954, v. 7,
p. 407-410.

DESCRIPTORS: *Sucrose, Solubility, Solvent action,
Ions, *Lithium, *Sodium, *Potassium, *Calcium,
Crystallization.

The influence of lithium, sodium, potassium, and
calcium on the solubility of sucrose in molasses was
investigated. The strong differences in the action of
the various substances found thereby suggest that the
main influence on the sucrose solubility must be
attributed to the inorganic cations and thus confirm the
(Food, TT, v. 10, no. 7) (over)

Office of Technical Services

63-16363

Moebes, H. and Wieninger, L.
EFFECT OF EXCHANGE OF ALKALI IONS FOR
CALCIUM ON THE PROCESSING AND YIELD OF
SUGAR JUICES. [1963] 11p. (figs. omitted) 9 refs.
Order from SLA \$1.60 63-16363

Trans. of ~~Zucker~~ (West Germany) 1955, v. 8,
p. 129-134.
Another trans. is available from SLA m\$2.40,
ph\$3.30 as 59-17638 [1959] 14p.

DESCRIPTORS: *Vegetables, *Carbohydrates, *Ion
exchange, Exchange reactions, Carbon, *Calcium,
Sodium, Ammonia, Processing, Viscosity,
Crystallization.

For abstract see Technical Translations 2: 654, 1959.

(Food, TT, v. 10, no. 7)

- I. Title: Molasses
- I. Moebes, H.
- II. Wieninger, L.

Office of Technical Services

Investigations into the Construction of a Seed-Bed
for Sugar Beet, by C. Haller.

GERMAN, per, Zucker, Vol VIII, 1955, pp 305-312.

ASLJB-GB1A1

Sci

Aug 59

95, 147

The effect of the Exchange of Alkali Ions for Calcium
on the Treatment and Yield of Sugar Juices, by E.
Moeses, L. Wieneringer, 14 pp.

GERMAN, per, Zucker, Vol VIII, No 7, Apr 1956.
pp 129-134.

SIA Tr 1621 Jan 1957

Sci - Chem
Apr 1957

46,182

Kröger, Werner.
FEED-WATER CONTROL BY CONDUCTIVITY
MEASUREMENTS, [1963] 12p. (figs. omitted).
Order from SLA \$1.00 63-16360

Trans. of Zucker (West Germany) 1956, v. 9,
p. 575-578.

DESCRIPTORS: *Feed water, Quantitative analysis,
*Electrical conductance, *Carbohydrates, Boilers,
Refineries, Corrosion inhibition, Boiler tubes.

It is shown that the feed-water control by conductivity
measurement is a safe process for controlling the
feeding of the boilers in the sugar industry.

(Metallurgy--Corrosion, TT, v. 10, no. 3)

63-16360

I. Kröger, W.

63-16360

Moebes, E.
THE INFLUENCE OF THE CATIONS ON THE
SOLUBILITY OF SACCHAROSE AND THE VISCOSITY
OF IMPURE BEET SUGAR SOLUTIONS. [1963] 22p.
(figs. omitted) 24 refs.
Order from SLA \$2.60 63-16362

Trans. of Zucker (West Germany) 1957, v. 10,
p. 78-85.

DESCRIPTORS: *Carbohydrates, *Beets, Solubility,
Viscosity, *Sucrose, Ions, Impurities, Magnesium,
Calcium.

The solubility of the saccharose in impure sugar
solutions is dependent upon the nature and concen-
tration of the cations present in these solutions. The
ions of the alkaline-earth metals magnesium and cal-
cium have a strong solubility-reducing effect by
binding the water present in the form of hydrates. A
(Food, TT, v. 10, no. 7) (over)

63-16362

I. Moebes, E.

Office of Technical Services

A Continuous Centrifuge, by P. Hebel.

GHEBMAN, par, Zucker, Vol. X, 1957, pp 99-101.

CSIRO 4091

Sci - Engr

Aug 62

211, 219

Influence of Cations on the Solubility of
Sacharose in Molasses, and the Possibility of a
Technical Evaluation in Reference to the Under-
termined Influence of Solubility, by G. Quentin.
GERMAN, per, Zucker, 1957, pp 406-415.
CSR.CO/

Sci -
July 1957

334-023

Investigation of Lifting Shares for Sugar Beet,
by Gohlich Hulst, Sochting.

GERMAN, per, Zucker, Vol X, No 24, 1957,
pp 535-538.

CSIRO

Sci - Biol
Aug 62

211,178

Agricultural Aspects Of the Use Of Precision Drills
With Sugar Beet. Part 1. by H. Ludecke and H.
Schafmayer.

GERMAN, per, Zucker, Vol XI, No 2, 1958, pp 44-49.

CSIRO

Oct. 62

Investigations On Lifting Tools: For Sugar Beet
Part 2. by H. Gohlich and H.V. Hulst.

GERMAN, per, Zucker, Vol XI, No 7, 1958, pp 154-156.

CSIRO

Oct. 62

Schiebel, W.
THE LIMITS OF ACCURACY IN THE ANALYSIS OF
RAW SUGAR BY POLARIZATION. [1963] [16]p.
Order from SLA \$1.60 63-16366

Trans. of Zapper (West Germany) 1958, v. 11, no. 8,
p. 182-187.

DESCRIPTORS: *Carbohydrates, *Polarographic
analysis, Polarization.

The examination of raw sugar through polarization
requires above average care and experience. The
results will be influenced by a number of factors
which are called natural errors occurring in the indi-
vidual steps of the investigation. It is very important
that the methods used by individual laboratories be
identical, in order to have differences of 0.1 or 0.2
of a degree of polarization appearing as little as
possible. A few suggestions are given. (Author)
(Chemistry--Analytical, TT, v. 10, no. 7)

63-16366

I. Schiebel, W.

Office of Technical Services

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